

### Abstract

Recombinant *E. coli* host cells that comprise recombinant DNA expression vectors that drive expression of methylmalonyl CoA mutase from *Propionibacterium shermanii* or *Streptomyces cinnamoenis* as well as *Propionibacterium shermanii* epimerase can produce S-methylmalonyl CoA, a required substrate for the production of polyketides by most modular polyketide synthases and is not present in wild-type *E. coli* host cells.